

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-006644

(43)Date of publication of application : 13.01.1998

(51)Int.Cl.

B41M 5/26

C09B 67/22

G11B 7/24

G11B 7/24

(21)Application number : 08-159843

(71)Applicant : MITSUBISHI CHEM CORP

(22)Date of filing : 20.06.1996

(72)Inventor : SUZUKI YUKI

OKAMOTO YUKO

HORIE MICHIKAZU

KUROSE YUTAKA

MAEDA SHUICHI

(54) OPTICAL RECORDING MEDIUM

(57)Abstract:

PROBLEM TO BE SOLVED: To effect short wavelength recording which has high reflection power and forms a good short bit by making an optical recording medium by laminating a recording layer containing a main component coloring matter having a specified property and having a specified compound, a metal reflecting layer, and a protective layer in sequence on a transparent substrate.

SOLUTION: An optical recording medium is made by laminating a recording layer containing a main component coloring matter A and a compound B, a metal reflecting layer, and a protective layer in sequence on a transparent substrate. In the coloring matter A, the gradient of weight loss during the temperature increase in the main loss process of a thermal analysis is $0.5-3\%/^{\circ}\text{C}$, the weight loss is 40-55% of the largest weight, the molar absorption coefficient ϵ of the solution is 50,000 or more, and the maximum spectral absorption nearest to a recording reproducing light wavelength of the film is shifted by 40-60nm to the short wavelength side from the recording reproducing light wavelength. Besides, in the compound B, the gradient of weight loss in the main loss process is $10\%/^{\circ}\text{C}$ or more, the weight loss is 55% or more of the total weight, and the maximum absorption nearest to the recording reproducing light wavelength of the film is shifted by 60nm or more to the short wavelength side from the recording reproducing light wave length.

LEGAL STATUS

[Date of request for examination] 03.12.2001

[Date of sending the examiner's decision of rejection] 12.10.2004

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration] withdrawal

[Date of final disposal for application] 25.01.2006

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection] 2004-23104

[Date of requesting appeal against examiner's decision of rejection] 11.11.2004

[Date of extinction of right]